

Claims

What is claimed is:

- 1 1. A method comprising:
 - 2 receiving one of a Short Message Service, Enhanced Message Service, Multimedia
 - 3 Message Service, and SyncML message;
 - 4 extracting a device identifier from the message; and
 - 5 applying the device identifier to determine a device status.
- 1 2. The method of claim 1, further comprising:
 - 2 extracting an International Mobile Equipment Identity from the message.
- 1 3. The method of claim 1, further comprising:
 - 2 setting network access permissions according to the device status for a device
 - 3 corresponding to the device identifier.
- 1 4. The method of claim 1, further comprising:
 - 2 applying the device identifier to a deny database to determine the device status.
- 1 5. The method of claim 1, further comprising:
 - 2 receiving the message via a Short Message Peer to Peer interface.
- 1 6. The method of claim 1, further comprising:
 - 2 communicating the device status to a customer care facility.
- 1 7. The method of claim 1, further comprising:

2 extracting a subscriber identifier from the message;
3 applying the subscriber identifier to identify subscriber services; and
4 applying permissions for access to the subscriber services by the subscriber according
5 to the device status.

1 8. The method of claim 7, further comprising:

2 extracting at least one of an International Mobile Subscriber Identity and an Integrated
3 Circuit Card ID from the message.

1 9. The method of claim 7, further comprising:

2 applying the subscriber identifier to locate subscriber information.

1 10. A network element comprising:

2 logic to cause the processing of at least one of a Short Message Service, Enhanced
3 Message Service, Multimedia Message Service, and SyncML message to
4 extract a device identifier from the message, and to apply the device identifier to
5 determine a device status; and
6 at least one processor to execute at least some of the logic.

1 11. The network element of claim 10, further comprising:

2 logic to cause the setting of network access permissions for the device according to
3 the device status.

1 12. The network element of claim 10, further comprising:

2 logic to cause the extraction of a International Mobile Equipment Identity from the
3 message.

1 13. The network element of claim 10, further comprising:
2 logic to cause the applying of the device identifier to a deny database to determine the
3 device status.

1 14. The network element of claim 10, further comprising:
2 logic to cause the receiving of the message via a Short Message Peer to Peer
3 interface.

1 15. The network element of claim 10, further comprising:
2 logic to cause the communicating of device status to a customer care facility.

1 16. The network element of claim 10, further comprising:
2 logic to cause the extracting of a subscriber identifier from the message, the applying
3 of the subscriber identifier to identify subscriber services, and the applying of
4 permissions to the subscriber services according to the device status.

1 17. The network element of claim 16, further comprising:
2 subscriber identifier is at least one of International Mobile Subscriber Identity and
3 Integrated Circuit Card ID.

18. The network element of claim 16, further comprising:
logic to cause the applying of the device identifier to a deny database to determine the
device status.

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2 19. A communication arrangement comprising:
- 3 a Short Message Service Center (SMS-SC);
- 4 a permissions facility; and
- 5 a network element configured to receive a Short Message Service message via the
- 6 SMS-SC, extract a device identifier from the message, apply the device
- 7 identifier to locate device status information, and interact with the permissions
- 8 facility to determine permissions to apply to service requests originating from
- 9 the device.
- 1 20. The communication arrangement of claim 19, further comprising:
- 2 the network element further configured to extract a subscriber identifier from the
- 3 message and apply the subscriber identifier to determine subscriber services.
- 1 21. The communication arrangement of claim 19, further comprising:
- 2 the network element further configured to extract an International Mobile Equipment
- 3 Identity from the message.
- 1 22. The communication arrangement of claim 20, further comprising:
- 2 the network element further configured to extract at least one of International Mobile
- 3 Subscriber Identity and Integrated Circuit Card ID from the message.

23. The communication arrangement of claim 19, further comprising:

the network element comprising a deny database, the deny database
comprising device status information.